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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/551,940	10/04/2005	Jacob Osterling	P18256-US1	3605
27045	7590	12/11/2007		
ERICSSON INC. 6300 LEGACY DRIVE M/S EVR 1-C-11 PLANO, TX 75024			EXAMINER HU, RUI MENG	
			ART UNIT 2618	PAPER NUMBER
			MAIL DATE 12/11/2007	DELIVERY MODE PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/551,940	Applicant(s) OSTERLING ET AL.	
	Examiner RuiMeng Hu	Art Unit 2618	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 04 October 2005.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-13 and 16 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-13 and 16 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 04 October 2005 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date <u>10/04/2005</u> . | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Priority

1. Receipt is acknowledged of papers submitted under 35 U.S.C. 119(a)-(d), which papers have been placed of record in the file.

Information Disclosure Statement

2. The information disclosure statement submitted on 10/04/2005 has been considered by the Examiner and made of record in the application file.

Claim Objections

3. Claim 4 is objected to because of the following informalities: Replace "transferes" with --transfers--. Appropriate correction is required.

Claim Rejections - 35 USC § 102

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

5. **Claims 1-13 and 16** are rejected under 35 U.S.C. 102(e) as being anticipated by **Stratford et al. (US Patent 6785558)**.

Consider **claim 1**, Stratford et al. disclose an interface (Abstract, figure 3, network interface 310, network access node 340) in a Radio Base Station (figure 3) for

transmission and reception of user data to and from one or more user equipments in a radio communication network (Abstract), comprising: a plurality of links (column 7 lines 39-45) having a minimised bandwidth (column 7 lines 11-15) for carrying data independent of the functionality of the radio access network (figure 3, Network and a BTS) and the airborne radio transmission (figure 3, Remote Site 330) (column 4 line 64-column 5 line 6, column 6 lines 38-51).

Consider **claim 2 as applied to claim 1**, Stratford et al. disclose comprising one or more user data links for uplink and downlink (column 4 lines 45-63), a control and supervision link (column 8 lines 37-44), and a synchronisation link (column 12 lines 17-50).

Consider **claim 3 as applied to claim 1**, Stratford et al. disclose intended for carrying baseband signals comprising digital signal components that describe the airborne signal (column 15 lines 36-41).

Consider **claim 4 as applied to claim 3**, Stratford et al. disclose wherein the user data link transfers the downlink user data as symbols and the uplink user data as sampled symbols (column 15 lines 36-55, digital samples).

Consider **claim 5 as applied to claim 2**, Stratford et al. disclose wherein the user data link carries information about stream identity for routing and/or supervision (column 11 lines 1-11, header).

Consider **claim 6 as applied to claim 2**, Stratford et al. disclose wherein the control and supervision link is split between a processor based link and fast indications

(column 8 lines 37-44, OA&M sub-channel, Operation, Maintenance and Administration link supports the monitoring and controlling of remote site equipment).

Consider **claim 7 as applied to claim 6**, Stratford et al. disclose wherein the fast indications are used to determine the status of the radio transmission part when the processor based link has failed (column 17 lines 32-36, column 11 line 54-column 12 line 15, increasing of bit errors due to the status of the radio transmission part e.g. power control failure (column 7 lines 52-67) or synchronization failure (column 12 lines 17-39)).

Consider **claim 8 as applied to claim 6**, Stratford et al. disclose wherein an indication is used to reset the radio transmission part (column 11 line 54-column 12 line 15, the system could switch to three carriers using a rate $\frac{1}{2}$ convolutional code).

Consider **claim 9 as applied to claim 2**, Stratford et al. disclose wherein the synchronisation link is used to control the transmission time of the user data link (column 12 line 17-column 13 line 7).

Consider **claim 10 as applied to claim 2**, Stratford et al. disclose wherein the synchronisation link is used to time stamp the reception time of the user data link (column 12 line 17-column 13 line 7).

Consider **claim 11 as applied to claim 6**, Stratford et al. disclose wherein a hardware reset is encoded in the processor based link layer 1 protocol as a code violation (column 17 lines 32-36, a hardware reset/control (e.g. reset to three carriers using a rate $\frac{1}{2}$ convolutional code) can be encoded in OA&M sub-channel layer 1 protocol as a code violation).

Consider **claim 12 as applied to claim 5**, Stratford et al. disclose wherein transmission of parity bits is suspended during stream identity transmission (column 10 line 25-column 11 line 11).

Consider **claim 13 as applied to claim 4**, Stratford et al. disclose wherein the uplink data format consists of a fast changing mantissa and a slow changing exponent (Table 2, different coding rates).

Claims 14-15. (canceled)

Consider **claim 16 as applied to claim 2**, Stratford et al. disclose where the uplink interface serialiser is controlled by the synchronisation link (column 12 lines 17-39).

Conclusion

Any response to this Office Action should be **faxed to** (571) 273-8300 **or mailed to:**

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Hand-delivered responses should be brought to

Customer Service Window
Randolph Building
401 Dulany Street
Alexandria, VA 22314

Any inquiry concerning this communication or earlier communications from the examiner should be directed to RuiMeng Hu whose telephone number is 571-270-1105. The examiner can normally be reached on Monday - Thursday, 8:00 a.m. - 5:00 p.m., EST.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Edward Urban can be reached on 571-272-7899. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

RuiMeng Hu
R.H./rh
November 30, 2007


EDWARD F. URBAN
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600